

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A lattice girder supporting frame for tunnel lining comprising:

 an upper boom member and two lower boom members arranged in parallel relative to each other and forming a triangle;

 truss braces spatially connecting said upper boom member and said lower boom members to each other, wherein each of said truss braces has a general V-shape comprising two straight brace parts each having a first and second end, said two straight brace parts connected to each other at the first end via a straight bridge piece, wherein said truss braces are arranged in a symmetrical plane extending laterally from said upper boom member to an axis of each of said lower boom members;

 cross ties extending at right angles relative to said lower boom members, for connecting said lower boom members to each other,

 wherein the second end of each of said two straight brace parts, which are not connected by said straight bridge piece, terminate at said lower boom members, said second ends terminating without a bend and being welded to said lower boom members.

2. (original): A lattice girder supporting frame according to claim 1, wherein said truss braces abut said lower boom members at an acute angle, and said cross-ties are provided inside the acute angle so as to be welded to said lower boom members and said straight brace parts of said truss brace.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 09/841,094

3. (original): A lattice girder supporting frame according to claim 1, wherein ends of said cross tie are disposed between said truss braces and said lower boom members, so as to be welded between said truss braces and said lower boom members.

4. (previously presented): A lattice girder supporting frame according to claim 1, wherein each of said straight brace parts are connected to each other at said first end through a buckled part, with said straight bridge piece located in between said buckled parts, and extending in parallel to said upper and lower boom members.

5. (original): A lattice girder supporting frame according to claim 1, wherein said upper boom member is arranged between said straight bridge pieces of said truss braces and welded thereto.

6. (previously presented): A lattice girder supporting frame according to claim 1, wherein said upper boom member is capable of being positioned at different heights relative to said straight bridge piece of said truss, wherein the height of said straight bridge piece of said truss is $X \pm a$, wherein a is $<$ a radius of the upper boom member, and X is the height of the upper boom member.

7. (previously presented): A bracing element for a lattice girder supporting frame having upper and lower boom members, comprising:

two brace parts angled relative to each other, wherein one end of each of said brace parts has a curved part and the other end of each of said brace parts is straight, the other end of each of said

brace parts terminating at, and adapted to be connected to, the lower boom members without a bend on the other end;

a straight bridge piece connecting said brace parts to each other at said curved parts so as to form a truss brace, wherein said straight bridge piece extends parallel to the upper and lower boom members;

wherein two truss braces are connected to each other via cross-ties so as to form the bracing element, wherein said cross-ties are fixedly secured by a weld to said truss braces, and wherein said cross-ties are adaptable to contact the lower boom members.

8. (previously presented): A truss brace of a bracing element for a lattice supporting frame, comprising:

two brace parts, each of said two brace parts including a first end which is curved and a second end which is straight; and

a straight bridge piece connecting said first ends of said two brace parts so that said two brace parts are disposed at an angle with respect to each other,

wherein said second ends terminate at a lower boom of the lattice supporting frame.